ASSEMBLY and OPERATING INSTRUCTIONS

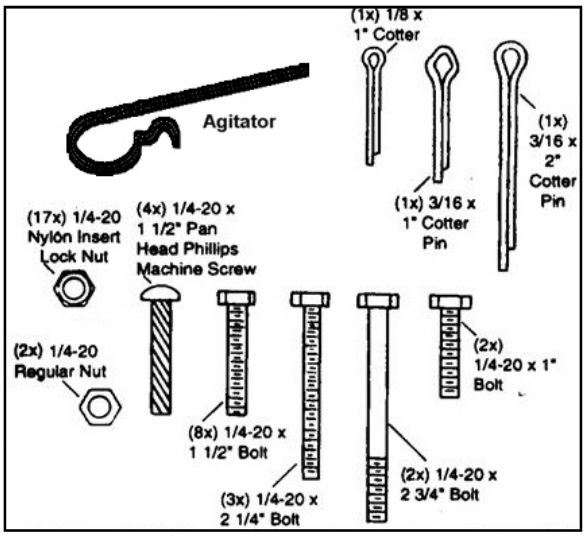
EarthWay Ev-N-Spred®

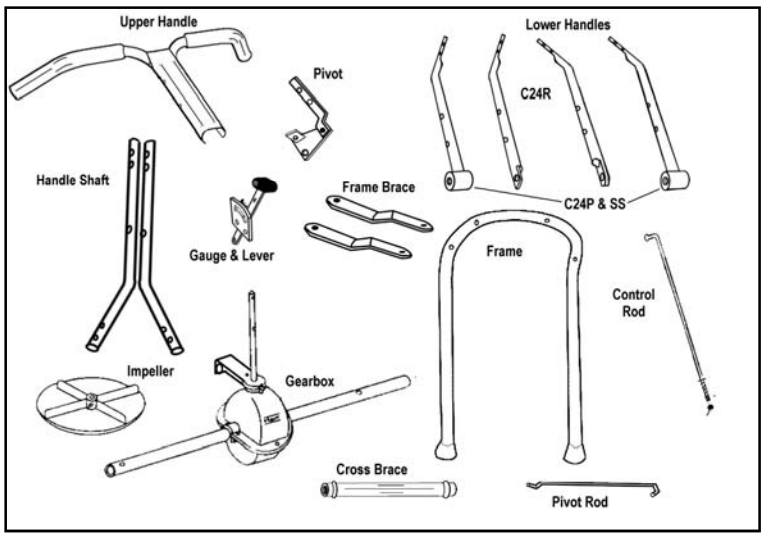
M24SSD Series Broadcast Spreader

PLEASE: CALL US IF YOU HAVE DIFFICULTY BEFORE YOU RETURN THIS TO THE STORE.
PARTS HOT LINE PHONE: 574-848-7491

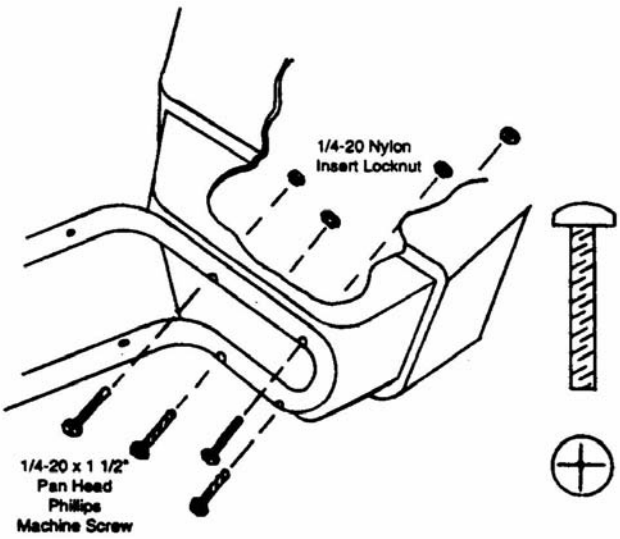
HELPFUL HINTS:

- If your spreader does not spread evenly, be sure the FRONT on the gear box points to the front of the spreader. The impeller must turn clockwise. Reversing the gearbox will cause the impeller to turn counter clockwise. Clean the impeller plate after each use. Fertilizer stuck on the impeller blades will cause uneven spreading.
- Your spreader is designed to be pushed at three miles per hour, which is a brisk walking speed. Slower or faster speeds will change the spread patterns. Wet fertilizer will also change the spread pattern and flow rate. Clean your spreader thoroughly after each use. Wash between the shut off plate and bottom of the hopper.
- Gears are permanently lubricated at the factory. Do not open the gearbox or dirt may enter.

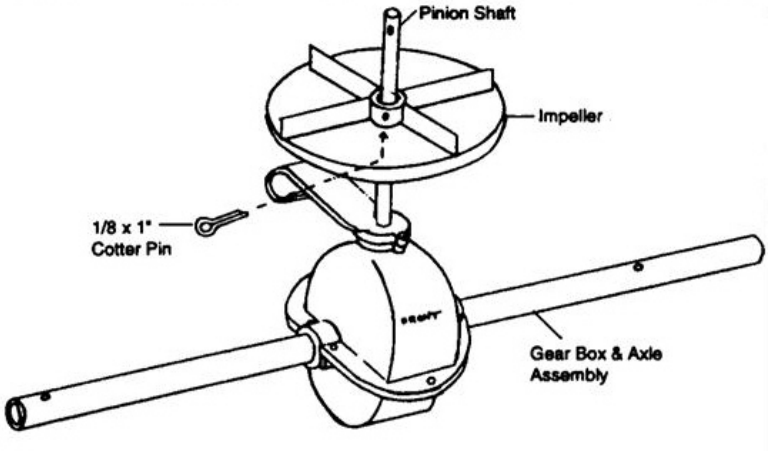

(1x) 1/8 x 1" Cotter
Agitator
(1x) 3/16 x 2" Cotter Pin
(1x) 3/16 x 1" Cotter Pin
(17x) 1/4-20 Nylon Insert Lock Nut
(4x) 1/4-20 x 1 1/2" Pan Head Phillips Machine Screw
(2x) 1/4-20 Regular Nut
(2x) 1/4-20 x 1" Bolt
(8x) 1/4-20 x 1 1/2" Bolt
(2x) 1/4-20 x 2 3/4" Bolt
(3x) 1/4-20 x 2 1/4" Bolt



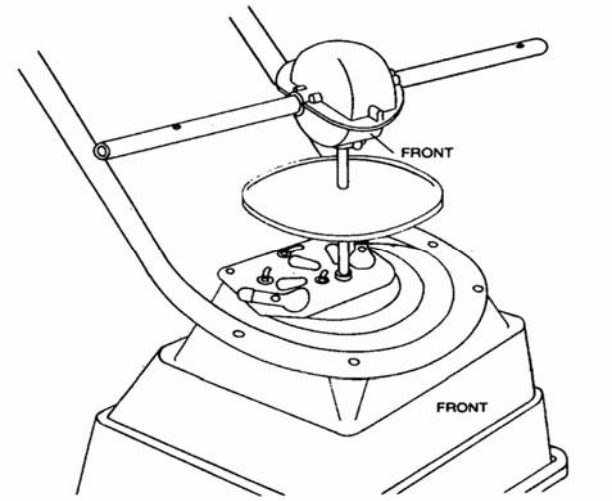
1. Remove and identify loose parts from carton.



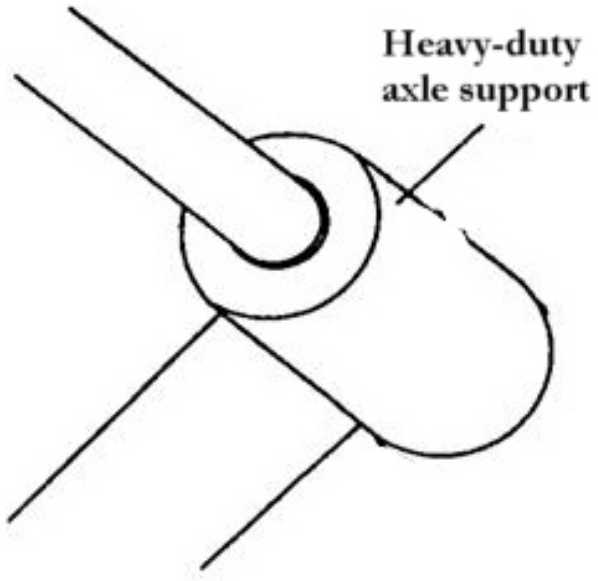
2. Position hopper on side. Install frame using (4) 1/4-20 x 1-1/2" Pan Head Philips machine screws and (4) 1/4-20 nylon insert locknuts. First put bolts through holes in frame then through holes in bottom of hopper. Secure with locknuts. Tighten these locknuts now.



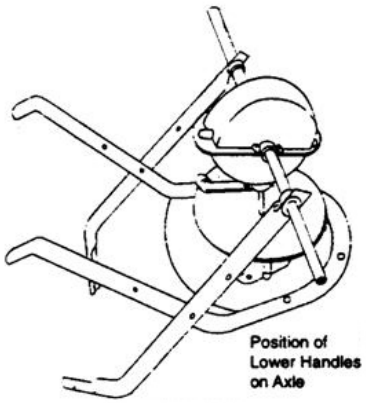
3. Install impeller onto pinion shaft. Insert 1/8" x 1 " cotter pin through impeller then through pinion shaft. Use hole nearest gear box. Spread cotter pin to prevent from falling out.

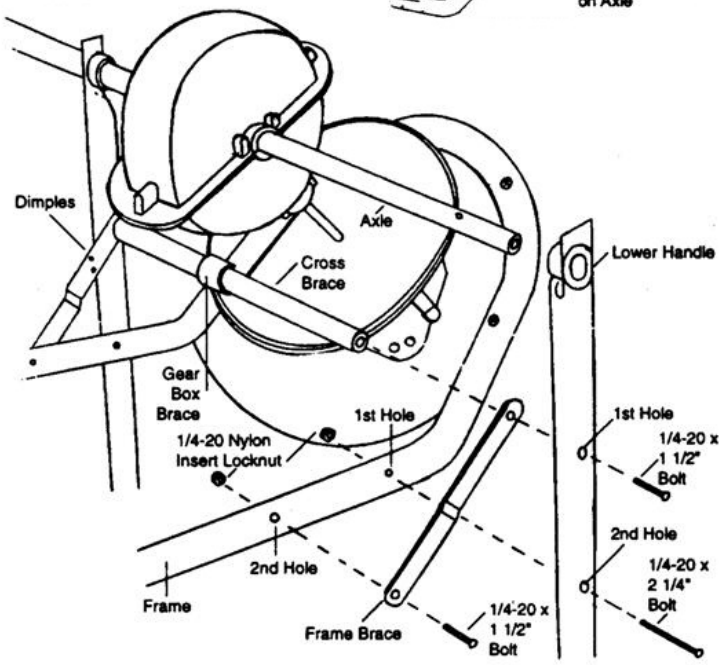


4. Install gear box by inserting the pinion shaft into hole in center of hoppers bottom. The word **"FRONT"** on the gearbox must point to **Front** of the hopper.

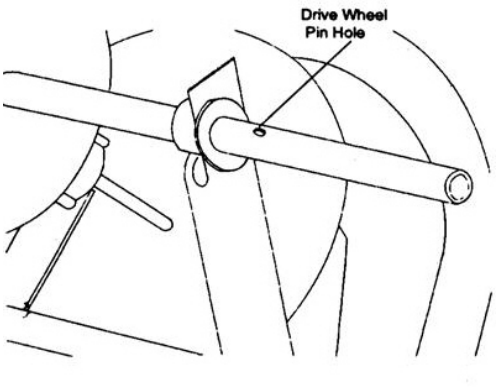


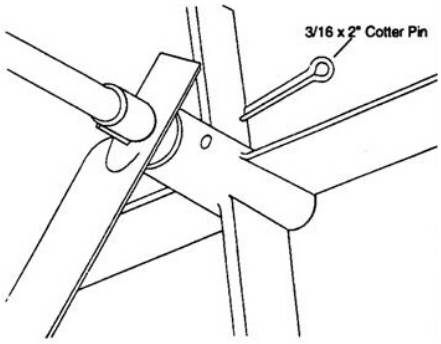
5. A - Install lower handles onto axle to both sides as shown. Now insert 1 1/2" bolt through first hole in lower handle. Then through frame brace. **NOTE:** Dimples on frame brace must be facing toward gear box as shown. Next into threaded connector in cross brace. **DO NOT TIGHTEN YET. B** - Next insert 1 1/2" bolt through other end of frame brace and through second hole in frame install locknut. **DO NOT TIGHTEN YET. C** - Now insert 2 1/4" bolt through second hole in lower handle and through first hole in frame.



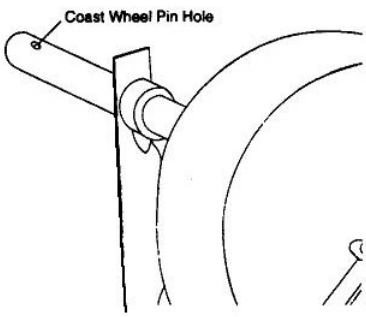


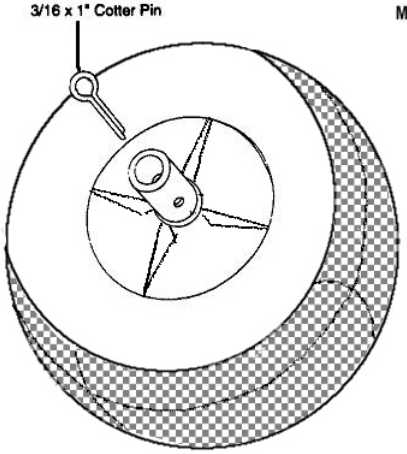
NOW GO BACK AND TIGHTEN ALL NUTS AND BOLTS STARTING WITH FIRST STEP. DO NOT OVER TIGHTEN.

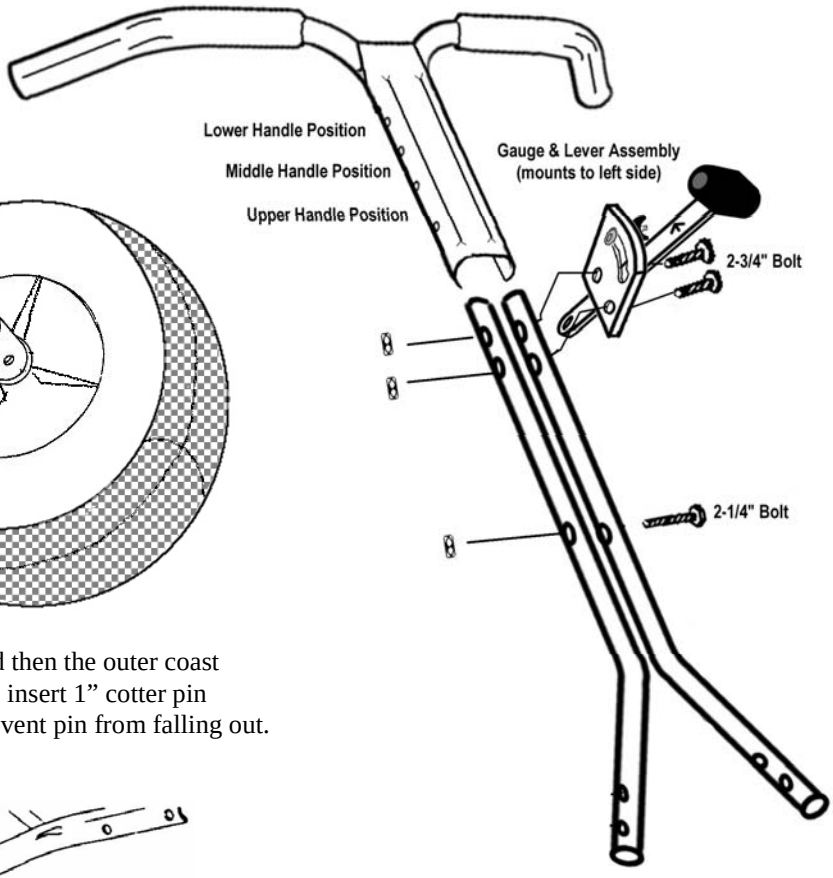




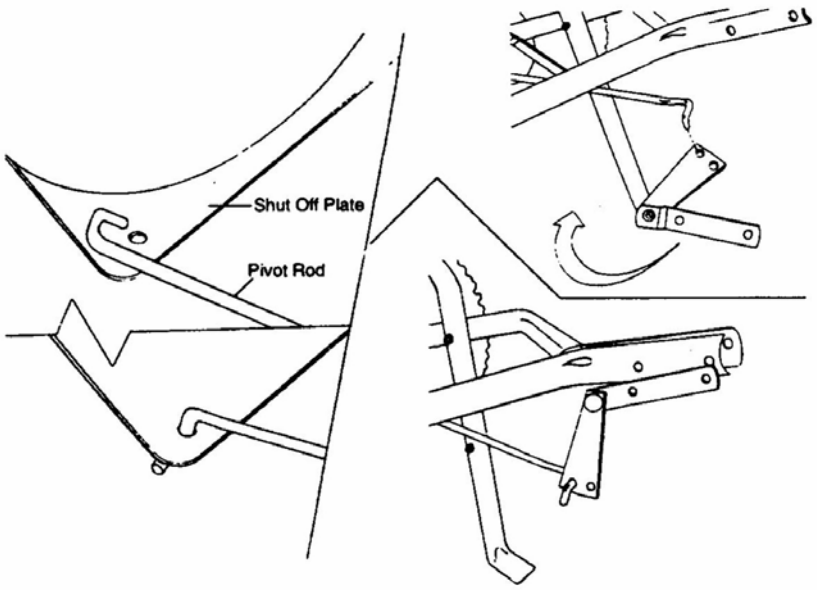
6. Install drive wheel to axle using pin hole nearest to lower handles as shown. Insert 2" cotter pin through wheel and through axle. Bend with pliers to prevent pin from falling out. Next slide the wheel spacer and then the outer wheel and cotter pin through the axle only.







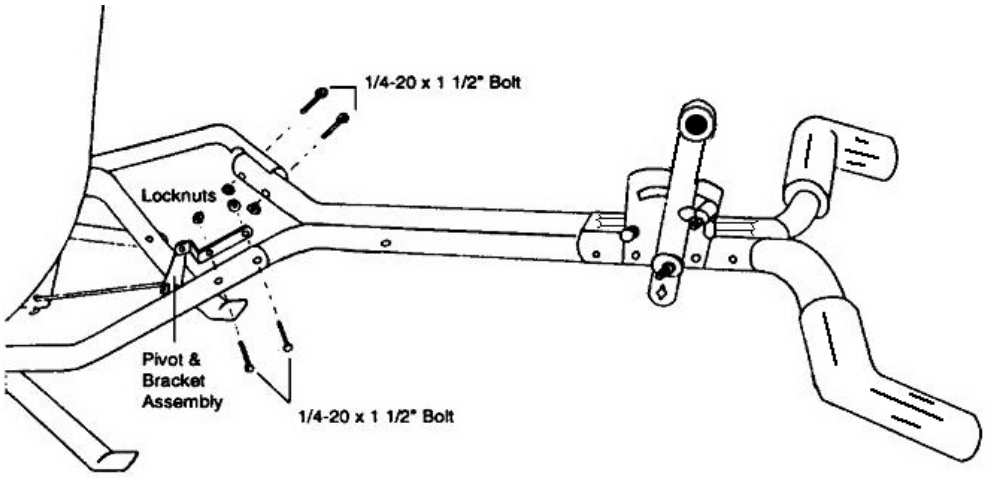
7. Install inner coast wheel to axle, then wheel spacer and then the outer coast wheel and install cotter pin using outside hole. As shown, insert 1" cotter pin through axle (not thru the wheel). Bend with pliers to prevent pin from falling out. **TURN SPREADER UPRIGHT ON TO WHEELS.**



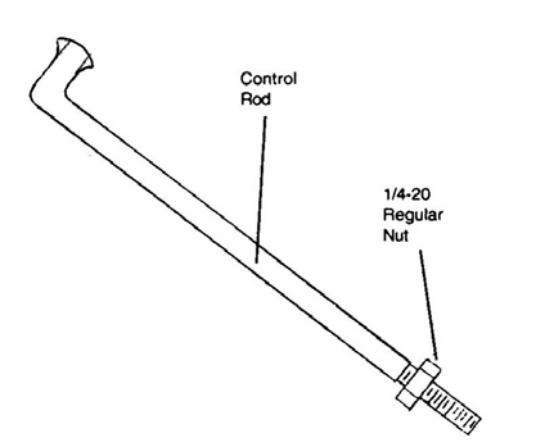
8. NOTE: BEFORE INSTALLING GAUGE AND UPPER HANDLES TO HANDLE SHAFT, UPPER HANDLES FEATURE THREE POSITIONS FOR OPERATOR'S COMFORT. You can select lower, middle or upper positions for best fit to the operator. Insert 2¾" bolt through the Gauge, then upper handle and finally through handle. **DO NOT TIGHTEN LOCKNUT YET**.

9. Insert pivot rod into shut off plate as shown. Turn to lock in place.

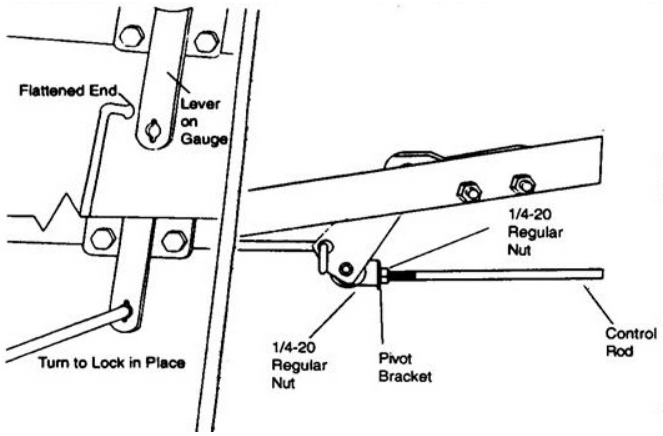
10. Insert other end of pivot rod into pivot and bracket assembly as shown. Turn to lock in place.



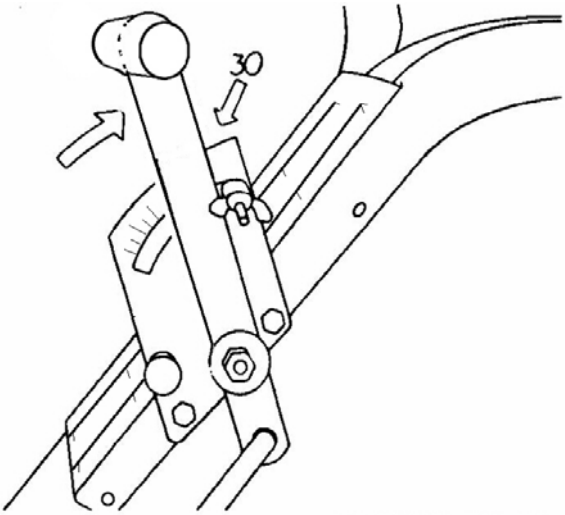
11. Install handle shaft to lower handles and pivot & bracket assembly as shown. Using (4) 1 ½" bolts and (4) locknuts. **Tighten bolts and nuts now.**



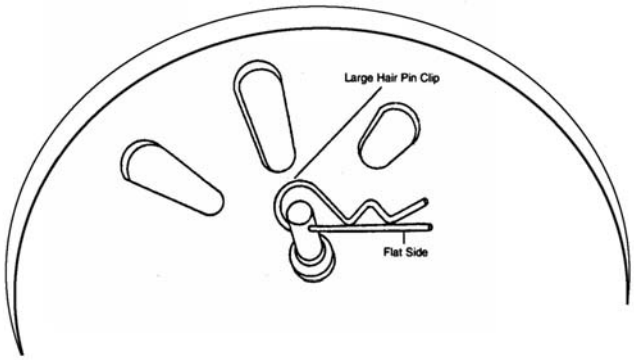
12. Install (1) 1/4-20 regular nut (not a locknut) on to control rod as shown.



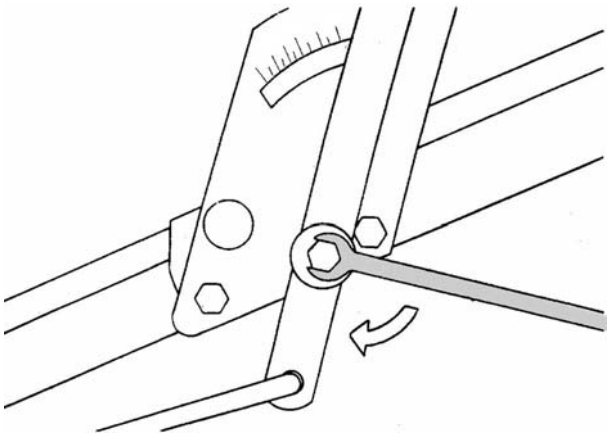
13. Install flattened end of control rod in to lever on gauge as shown. Turn to lock in place. Next push lever forward to setting **"0".** Align control rod with hole in pivot bracket, pull lever backward to insert control rod through hole in pivot bracket. Now install 1/4-20 regular nut on to control rod. **DO NOT TIGHTEN NUTS YET.**



14. Pull lever back to setting **"30"** as shown. Next push pivot & bracket forward so that the shut off plate in the hopper is in the full open position. **REMEMBER SETTING "30" ON THE FLOW CONTROL LEVER MUST PLACE THE SHUT-OFF PLATE IN THE FULL OPEN POSITION TO BE PROPERLY CALIBRATED.** Now tighten the nuts against the pivot bracket to prevent change in calibration.



15. Insert large hair pin clip to pinion shaft on inside of hopper. **Note:** Position of flat side of hair pin clip. This pin should be installed as shown.



16. Tension on the flow control lever may be adjusted by tightening or loosening the tension nut as shown.

17. For normal operation both plates should be fully opened. To reduce flow to the left side, partially or completely close the plate over the rear (large) hole. To reduce flow to the right side, partially or completely close the plate over the front (small) hole. Close both plates for a narrow center spread pattern. **WARNING:** If the optional side deflector is being used in the down position, the plate over the rear (large) hole **MUST BE CLOSED** or an over application of material will occur.

The settings furnished on the Rate Setting Chart are intended as a guide only. Variations in physical characteristics of material applied, walking speed, and roughness of ground surface may require slightly different spreader settings. Due to the above conditions, EARTHWAY PRODUCTS, INC. makes no warranty as to the uniformity of coverage actually obtained from the settings listed.

WARRANTY

EARTHWAY guarantees this product to be free of defects in original workmanship and materials for a period of 90-days from sale to the original user. If any defect develops during this period EARTHWAY will repair or replace this product at no charge provided the defect is not the result of mishandling or tampering and that this product is received at the factory with shipping charges prepaid. For quicker service you may call EARTHWAY at 574-848-7491 or write and describe the nature of the defect and we will send repair parts to you. Due to the corrosive nature of most fertilizers and ice melters, EARTHWAY PRODUCTS, INC. makes no warranty or guarantee against corrosion failure on models with plated steel or painted steel frames. Clean your spreader well after each use. Warranty covers parts only, but not labor charges.

DO NOT RETURN TO DEALER FOR REPAIR

EARTHWAY PRODUCTS, INC.
1009 Maple Street
P.O. Box 547
Bristol, IN 46507

FOR YOUR RECORDS

_____
Date Purchased

_____
Store Name

OPERATING INSTRUCTIONS

Before filling hopper, become familiar with the operation of this spreader.

- Obtain proper setting for material to be used from the RATE SETTING CHART included with this spreader.
- Move stop bolt on rate gauge assembly to the proper setting.
- While pushing spreader forward, pull control lever back to stop bolt.
- To stop, push lever forward to close flow holes before you stop moving.
- When finished, empty any remaining material from hopper.
- Thoroughly wash spreader and allow to dry before storing. No oiling is necessary.

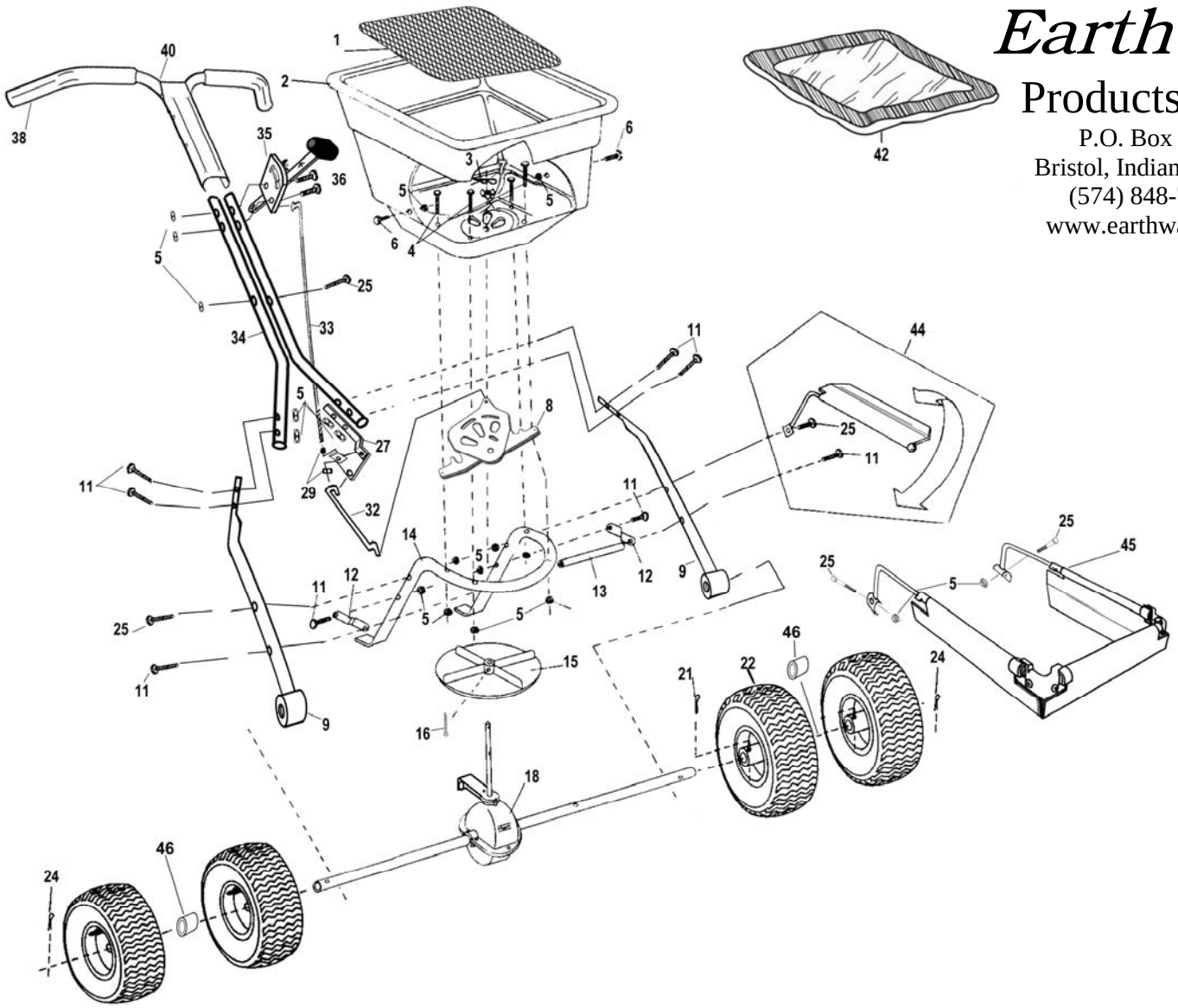
HOW TO ORDER SPARE PARTS

All spare parts listed herein may be ordered direct from the manufacturer, **EARTHWAY PRODUCTS, INC.**
Be sure to give the following information when ordering.

1. **Model Number**
2. **Part Number**
3. **Part Description**

Call (574) 848-7491 or write for current prices.

EarthWay®
Products, Inc.
P.O. Box 547
Bristol, Indiana 46507
(574) 848-7491
www.earthway.com



M24SSD Series Professional 100# Broadcast Spreader *Rev.12/04*

Key #	Part #	Description	Key #	Part #	Description
1	40003	Screen	25	N/A	*1/4-20 X 2 1/4" Bolt
2	60219	Hopper Assembly, Includes Key #7 & 8	27	60299	Pivot & Bracket Assembly
3	33117	Agitator	29	N/A	*1/4-20 Hex Nut
4	N/A	*1/4-20 X 1 1/2" PHPMS SS	32	44251	Pivot Rod
5	N/A	*1/4-20 NYLON Locknut	33	42256	Control Rod
6	N/A	*1/4-20 X 1" Bolt	34	24301	Handle Shaft C24SS
7	12209	Hopper Bushing	35	60298	Gauge & Lever Assembly
8	12278	New Pro Shut-Off Plate	36	N/A	*1/4-20 X 2 3/4" Bolt
9	24202	Lower Handle W/Bearings C24SS Stainless	38	12273	Handle Grip
11	N/A	*1/4-20 X 1 1/2" Bolt	40	60070	Upper Handle Assembly C24SS W/Grip
12	42237	Frame Brace	42	77002	Optional Heavy Duty Rain Cover
13	24704	Cross Brace	44	60060R	Optional Heavy Duty Rain Cover & Side Deflector Kit
14	24103	Frame C24SS	45	60166R	Optional Salt Deflector
15	12109	Impeller	46	22609	Wheel Spacer M24SSD
16	N/A	*1/8" X 1" Cotter Pin		12151	Rectangle Shut Off Plate Washer
18	60227	Gear Box & Axle Assembly		36223	#6 x 1/2" Shut Off Plate Screw
21	N/A	*3/16" X 2" Cotter Pin		38146	Hardware Package M24SSD
22	19117	Drive Wheel /Coast Wheel		* *Source locally, can be found in most hardware stores*	
24	N/A	*3/16" X 1" Cotter Pin			